

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-4. (Canceled)

5. (Currently Amended) A rear-type projector comprising:

a laser beam source that outputs a laser beam that is modulated based on an image signal;

a scanning unit that scans the laser beam within a predetermined surface;

a screen to which the laser beam is projected from a backside of the screen;

a light source unit for screen monitoring that emits invisible light for monitoring the screen;

a screen monitoring unit that receives the invisible light reflected from the screen;

a beam light supply stopping unit that controls the laser beam source so as to stop output of the laser beam based on an output of the screen monitoring unit; and

a housing that covers an optical path from the laser beam source to the backside of the screen.

6-22. (Canceled)

23. (New) The projector according to claim 5, wherein the screen monitoring unit includes

a light source that emits invisible light; and

a light receiving unit that receives invisible light reflected from the screen.

24. (New) The projector according to claim 23, further comprising a filter that allows the invisible light to pass through and absorbs or reflects the laser beam that is arranged in a light path between the screen and the light receiving unit, wherein

the light receiving unit receives the invisible light reflected from the screen, and the beam light supply stopping unit controls the laser beam source so as to stop output of the laser beam when an intensity of the invisible light received by the light receiving unit is lower than a predetermined value.

25. (New) The projector according to claim 23, wherein the light source unit emits the invisible light as modulated light that has a predetermined pulse train; the light receiving unit for screen monitoring receives the invisible light that has the pulse train; and the beam light supply stopping unit controls the laser beam source so as to stop output of the laser beam when the pulse train of the invisible light to be received by the light receiving unit for screen monitoring is not detected.

26. (New) The projector according to claim 23, wherein the screen monitoring unit includes a beam light receiving unit that receives the light reflected from the screen or the light propagated inside the screen from among the beam lights projected to the screen, the beam light supply stopping unit controls the laser beam source so as to stop output of the laser beam when

a correlation value between the beam light projected to the screen and the light reflected from the screen, or

a correlation value between the beam light projected to the screen and the light propagated inside the screen is smaller than a predetermined value.